

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference M03B336PCT/ASB	FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, Item 5 below.</small>	
International application No. PCT/GB2005/000875	International filing date (day/month/year) 09/03/2005	(Earliest) Priority Date (day/month/year) 18/03/2004
Applicant THE BOC GROUP PLC		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2005/000875

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C02F1/469

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 44 18 812 A1 (FORSCHUNGSZENTRUM JUELICH GMBH, 52428 JUELICH, DE) 7 December 1995 (1995-12-07) claim 1; figure 1	1-29
X	GB 2 311 999 A (* ELGA GROUP SERVICES LTD) 15 October 1997 (1997-10-15) page 10, line 11 - page 11, line 25; figure 1	1-29
X	US 6 187 162 B1 (MIR LEON) 13 February 2001 (2001-02-13) figures 5-11	1-29

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

7 June 2005

Date of mailing of the international search report

15/06/2005

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2005/000875

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN vol. 1999, no. 01, 29 January 1999 (1999-01-29) & JP 10 272474 A (KURITA WATER IND LTD), 13 October 1998 (1998-10-13) abstract</p> <p style="text-align: center;">-----</p>	1-29

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2005/000875

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 4418812	A1	07-12-1995	AT 204205 T 15-09-2001
		WO 9532791 A1	07-12-1995
		DE 59509515 D1	20-09-2001
		DK 762927 T3	26-11-2001
		EP 0762927 A1	19-03-1997
		ES 2162918 T3	16-01-2002
		JP 10500895 T	27-01-1998
		PT 762927 T	30-01-2002
GB 2311999	A	15-10-1997	DE 19713977 A1 30-10-1997
US 6187162	B1	13-02-2001	AU 7367800 A 17-04-2001
		WO 0120060 A1	22-03-2001
		US 6296751 B1	02-10-2001
JP 10272474	A	13-10-1998	NONE